



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4777-1
Job Sheet 173555



Part No: D4777-1

Job Qty: 20 ea

Part Name: Rod End Bearing



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/5/18

Job Tracking No:

Due Date: 3/22/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV A IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	20 pcs		3/22/18	0.00	0.00	Purchasing		AT 18/03/26
110	Packaging	20 pcs		3/22/18	0.00	0.00	Packaging2		AT 18/03/26
120	QC	20 pcs		3/22/18	0.00	0.00	QC6		38
130	Packaging	20 pcs		3/22/18	0.00	0.00	Packaging3-2	5/1/15	MAR 27 2018
140	QC21-SA	20 Ea		3/22/18	0.00	0.00	QC21		

Part Op 100 - Issue P/O: _____ Purchase Part Number: 59915K274 or CTG
Descriptions: 110 - Ensure certificate of conformity is attached

MAR 27 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
59915K274	Rod End Bearing	20 pcs (1 ea)	100-Purchasing	5055034

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	59915K274	20	0	0
		MAR 22 2018	P/O: 039394	

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



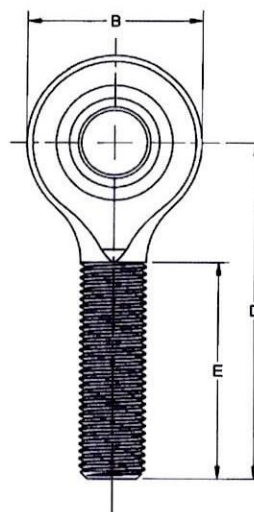
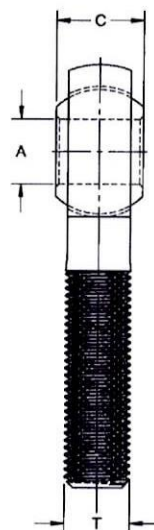
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ Description Work Order: _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Skid-tube ☐ Machining ☐ Thermoforming ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td colspan="3">Supplier ☐</td> </tr> </table>			Cross tube ☐	Water Jet ☐	Engineering ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Supplier ☐																																									
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PART NO: D4777 – 1 Serial No/Batch: S055043 Revision: Operation: Packaging Change No:		Mfg Date: 03/26/18 Job No: 173555																																																					
		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																					
<table style="width: 100%;"> <tr> <th colspan="4" style="text-align: left;">Root Cause</th> </tr> <tr> <td style="width: 15%;">Environment ☐</td> <td style="width: 15%;">No Re-verification ☐</td> <td style="width: 35%;"></td> <td style="width: 35%;"></td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td></td> <td></td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td></td> <td></td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Centre not concentric ☐</td> <td>Wrong stock ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Cracks ☐</td> <td>Broken/Damage/Defect ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> <td>Inspection Incomplete/Unqualified ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Cuffs ☐</td> <td>Contamination ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Crushing ☐</td> <td>Countersink ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> <td colspan="2">OTHER : _____</td> </tr> </table>				Root Cause				Environment ☐	No Re-verification ☐			Design ☐	Operator ☐			Doc/Data ☐	Offset/Setup ☐			Equip/Tooling ☐	Supplier ☐	Centre not concentric ☐	Wrong stock ☐	Handling/Pre ☐	Training ☐	Cracks ☐	Broken/Damage/Defect ☐	Material ☐	Use for Testing ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Internal Transport ☐	Poor Information ☐	Cuffs ☐	Contamination ☐	Tribal Knowledge ☐	Rushing ☐	Crushing ☐	Countersink ☐	LOA ☐	Product Improvement ☐	Heat Treat ☐	Cut Too Short ☐	Substation ☐	Process Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Past Expiry Date ☐	Manufacturing Process ☐	Marks/Chatter ☐	Drill Holes ☐	Misidentified ☐	Past Due ☐	OTHER : _____	
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SPECIFICATION CONTROL DRAWING



ROD END BEARING

DART P/N	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER P/N
D4777-1	STAINLESS STEEL	Ø0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59915K274

RELEASED
2013-08-14

A	NEW ISSUE	AJS	13.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.08.08		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D4777

TITLE
ROD END BEARING

REV. A
SHEET 1 OF 1
SCALE
NTS

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039396

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO039396

PO Date: 3/22/18

Due Date: 3/26/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 22 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	59915K274		Rod End Bearing	Firmed	3/26/18	20 pcs	0 pcs	20 pcs	\$17.14/pcs	\$342.80
Line Item Note JOB NO. 173555										
2	6852K11	1/pack	Squeeze Grip Valve Snap-Shut Threaded On/Off Valve 1/pack	Firmed	3/26/18	8 Ea	0 Ea	8 Ea	\$12.17/Ea	\$97.36
3	5232T316	1/pack	Hex Nipple 1/4 NPT TO 1/4 NPT Precision Extreme- Pressure Steel Pipe Fitting 1/pack	Firmed	3/26/18	8 Ea	0 Ea	8 Ea	\$5.10/Ea	\$40.80
4	5232T243	1/pack	Standard Tee 1/4 NPT Tee Connector, 1/4 NPT Female 1/pack	Firmed	3/26/18	8 Ea	0 Ea	8 Ea	\$25.20/Ea	\$201.60
5	5232T313	1/pack	COUPLING 1/4 NPT TO 1/8 NPT Straight Reducer, 1/4 x 1/8 NPT Female	Firmed	3/26/18	8 Ea	0 Ea	8 Ea	\$5.40/Ea	\$43.20
6	50695K162	1/pack	Zinc Plated Fitting 1/4 NPT x 1/16-20 JIC Adapter for 1/4" Tube, 7/16"-20 UNF x 1/4 NPTF Male 1/pack	Firmed	3/26/18	10 Ea	0 Ea	10 Ea	\$1.46/Ea	\$14.60
7	6050T14	1/pack	Zinc Plated Fitting 1/4 NPTF x 1/4 Plug Size 1/4, Plug, 1/4 NPTF Male End 1/pack	Firmed	3/26/18	10 Ea	0 Ea	10 Ea	\$2.51/Ea	\$25.10

DAS
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PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
8	8063K37	1/pack	BRASS VALVE 1/4 NPT MALE x SCHRDER AIR VALVE Air Fill Valve with 1/4 NPT Inlet 1/pack	Firmed	3/26/18	8 Ea	0 Ea	8 Ea	\$3.94/Ea	\$31.52
9	5274T73	5/pk	Polypropylene Vial Plastic Bottle, 2.3 oz	Firmed	3/26/18	10 Ea	0 Ea	10 Ea	\$1.71/Ea	\$17.10
Grand Total:									\$814.08	
Order Notes <i>rec'd At 18/03/26</i> 										
Procurement Quality Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM A049 SUPPLIER AWARENESS										
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.										

Plex 3/22/18 1:13 PM dart.lavoie.chantal

00 Aurora Industrial Pkwy
Aurora OH 44202-8087
30-995-5500
le.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039396

Order Placed By
Chantal Lavoie

McMaster-Carr Number
1107427-01

Line	Product	Ordered	Shipped
59915K274	Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	20 Each	20
6852K11	Snap-Shut Threaded On/Off Valve for Water and Inert Gas, 1/4 NPT Female	8 Each	8
5232T316	Precision Extreme-Pressure Steel Pipe Fitting, Straight Connector, 1/4 NPT Male	8 Each	8
5232T243	Precision Extreme-Pressure Steel Pipe Fitting, Tee Connector, 1/4 NPT Female	8 Each	8
5232T313	Precision Extreme-Pressure Steel Pipe Fitting, Straight Reducer, 1/4 x 1/8 NPT Female	8 Each	8
50695K162	37 Degree Flared Fitting for Steel Tubing, Adapter for 1/4" Tube, 7/16"-20 UNF x 1/4 NPTF Male	10 Each	10
6050T14	Nickel-Plated Industrial-Shape Hose Coupling for Air, Size 1/4, Plug, 1/4 NPTF Male End	10 Each	10
8063K37	Air Fill Valve with 1/4 NPT Inlet	8 Each	8
5274T73	Plastic Bottle, 2.3 oz./ 70 ml Capacity, 1-5/8" Diameter, Packs of 5	2 Packs	2

DAE
36
9-86

Jason Leroux

From: Linda Lacelle
Sent: Monday, March 26, 2018 2:27 PM
To: Jason Leroux
Subject: McMaster

If you have time, I need McMaster PO039396 – D4777-1 – mcmaster P/N 59915K274 rec'd asap, so we can get the baskets pkg'd up tomorrow

merci